

## ABSTRACT

A portable personal wireless interactive video device including a miniature camera, a portable wireless transmitter connected to the camera, a portable wireless receiver for receiving video signals from the transmitter, and a portable video display device connected to the receiver for presenting an image to a viewer corresponding to a view from the perspective of the camera. The viewer may select an image for display on the video display device corresponding to a view from his/her own camera, from a camera worn by another person, or from one of several cameras positioned in selected locations. In one embodiment, the camera may be located within a remotely controlled model vehicle, thereby providing the viewer with a view from the perspective of inside the vehicle for viewing while remotely controlling the vehicle. Enhanced realism may be achieved by providing a true depth perception "stereo-optic" display by using two spaced apart cameras viewing the same scene and by presenting two corresponding independent channels of video information to the two eyes of the viewer. A "videotronics" capability allows the angle of view of the camera to be responsive to head movements of the viewer to further enhance the remote viewing experience.